

METHOD AND APPARATUS FOR TRANSPORTING, STORING AND DISPENSING VISCOUS PRODUCTS

ABSTRACT OF THE DISCLOSURE

Apparatus and method for transporting, storing and dispensing highly viscous material requiring dispensing pressures greater than 15 psig incorporates one or more cylindrical ASME pressure vessels having first and second ends, a product inlet and product dispensing valve at the first end, a bi-directional pipeline pig slidably disposed in the vessel in fluid sealing relation, a gas supply valve and a first gas vent valve connected with the second end, and a second gas vent valve connected with the vessel for venting gas from the vessel during a filling operation. The vessels are filled by venting gas from behind the pig and introducing viscous material into the vessel through the product inlet valve to move the pig toward the second end, and the viscous material is dispensed by introducing gas under pressure behind the pig at a pressure greater than 15 psig to move it toward the vessel first end to force the viscous material in the vessel through the product dispensing valve.